Title (en)
System for managing frequency resources in multiple radio access networks and method thereof

Title (de)
System zur Verwaltung von Frequenzressourcen in mehreren Funkzugangsnetzwerken und ein Verfahren dafür

Title (fr)
Système de gestion des ressources de fréquence dans des réseaux d'accès radio et procédé correspondant

Publication
EP 1729532 A1 20061206 (EN)

Application
EP 06011302 A 20060531

Priority
KR 20050046285 A 20050531

Abstract (en)
Disclosed is a system and method for managing frequency resources, that is, a system and method for dynamically allocating and managing frequency resources in multiple radio access networks (RAN). In multiple radio access networks, the system and method manages frequency resources in consideration of the priorities of radio access networks and the priorities of service classes of each radio access network, and manages the frequency resources through negotiation and auction for frequency resources among the radio access networks.

IPC 8 full level
H04W 16/14 (2009.01); H04W 16/00 (2009.01); H04W 16/04 (2009.01)

CPC (source: EP KR US)
H04W 16/00 (2013.01 - EP KR US); H04W 16/04 (2013.01 - EP KR US); H04W 28/16 (2013.01 - KR)

Citation (applicant)
WO 0228135 A1 20020404 - SIEMENS AG [DE], et al

Citation (search report)
• [A] WO 0228135 A1 20020404 - SIEMENS AG [DE], et al
• [A] EP 1220557 A1 20020703 - MOTOROLA INC [US]

Cited by
EP2083591A1; WO2010108540A1; WO2011081803A1; DE102008012393A1; CN103190167A; EP2905994A4; CN102687555A; CN107637111A; EP3295698A4; JP2018518109A; US11350423B2; US2022248408A1; US11711840B2; US11991732B2; US10039112B2; US10887118B2; WO2016192637A1; US10111163B2; US10313887B2; US8248943B2; US9414265B2; US10212097B2; US10448320B2; US8971258B2; US10531339B2; US8233449B2; US9258716B2; US10700936B2; WO2021234598A1; US10212589B2; US10862818B2; US10892949B2

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DE FR GB IT SE

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1729532 A1 20061206; EP 1729532 B1 20090930; DE 602006009438 D1 20091112; KR 100943614 B1 20100224; KR 20060124384 A 20061205; US 2006286986 A1 20061221; US 7764967 B2 20100727

DOCDB simple family (application)
EP 06011302 A 20060531; DE 602006009438 T 20060531; KR 20050046285 A 20050531; US 44410806 A 20060531